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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (previously presented): A data processing device, including computer-executable

instructions stored on a computer-readable medium, installed in a data processing server, said

device comprising:

a first table storing sets of at least one primary rule, called "primary metarules," in a

parameterizable form and in corresponding relationship to primary identifiers; and

management means which is coupled to control means of said data processing server and,

on receipt of auxiliary data representing operating parameters that request reconfiguration of the

control means, the auxiliary data delivered by said control means after reception by the data

processing server of secondary data that requires reconfiguration of the control means, selects at

least one of the primary identifiers in the first table and associates said auxiliary data therewith

so as to define dedicated processes of said control means;

wherein said control means applies said defined dedicated processes to process primary

data received by said data processing server, said data processing server transmitting said

primary data based on said processing; and

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wherein said at least one primary metarule is specified according to a string of characters containing a place-holder for each parameter of said primary metarule that is not statically defined.

- 2. (previously presented): A device according to claim 1, further comprising a second table accessible to said management means in which are stored secondary identifiers each in corresponding relationship to at least one selected primary identifier associated with auxiliary data.
- 3. (previously presented): A device according to claim 2, wherein said management means, on receipt of said auxiliary data, determine whether the at least one selected primary identifier corresponding to the type of said auxiliary data is present in the second table, and associate the at least one selected primary identifier with new auxiliary data so as to adapt said dedicated processes.
- 4. (previously presented): A device according to claim 2, wherein certain selected primary metarules in the second table are grouped into secondary metarules represented by secondary identifiers.
- 5. (previously presented): A device according to claim 1, wherein said management means comprise a multiplicity of management submodules each of which manage the association of auxiliary data with at least one primary or secondary metarule and, on receipt of said auxiliary data, determine which of said management submodules corresponds thereto.

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6. (previously presented): A device according to claim 2, wherein said management

means are adapted, on receipt of said auxiliary data communicated by the server to add, delete or

modify primary or secondary metarules or auxiliary data in the second table associated with said

primary or secondary metarules.

7. (previously presented) A device according to claim 1, wherein said management

means and said tables are part of a metafirewall which manages a firewall equipping said server.

8. (previously presented): A firewall comprising a device according to claim 1.

9. (previously presented): A data processing method, comprising:

storing in a first table sets of at least one primary rule, called "primary metarules," in a

parameterizable form and in corresponding relationship to primary identifiers;

on receipt of auxiliary data representing operating parameters that request reconfiguration

of the control means, the auxiliary data delivered by the server after the receipt of secondary data

that requires reconfiguration of the control means, selecting at least one of the primary identifiers

in the first table;

associating said auxiliary data with said selected primary identifier so as to define said

dedicated processes; and

applying said dedicated processes based on primary rules to process primary data

received by a data processing server, and transmitted by said data processing server based on

said processing;

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wherein said at least one primary metarule is specified according to a string of characters containing a place-holder for each parameter of said primary metarule that is not statically defined.

- 10. (previously presented): A method according to claim 9, wherein during the preliminary step, secondary identifiers each in corresponding relationship to at least one selected primary identifier associated with auxiliary data are stored in a second table.
- 11. (previously presented): A method according to claim 10, wherein on receipt of the auxiliary data, it is determined whether the at least one selected primary identifier that corresponds to the type of the auxiliary data is present in the second table, and to associate the at least one selected primary identifier with new auxiliary data so as to adapt said dedicated processes.
- 12. (previously presented): A method according to claim 10, wherein certain primary metarules in the second table are grouped into secondary metarules represented by secondary identifiers.
- 13. (previously presented): A method according to claim 9, wherein there are executed in parallel the selection of the primary or secondary metarules in the first table and the modification of the auxiliary data in the second table associated with the secondary identifier representing the selected primary or secondary metarules.

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14. (previously presented): A method according to claim 9, wherein on receipt of complementary data communicated by said server, primary or secondary metarules are added to, deleted from or modified in the second table.

15. (currently amended): A network data processing device, comprising: a network data processing module; [[and]]

a management module coupled to said network data processing module, said management module comprising a first memory containing a first table, said first table containing primary identifiers associated with at least one parameterized rule for providing direction to said network data processing module when one or more of said primary identifiers and said at least one parameterized rule are associated with at least one parameter value; and

wherein the management module includes a configuration module which decides when to make modifications to a current configuration of a firewall,

wherein said network data processing module, in response to receiving said direction, manages network data according to said direction; and

wherein said at least one parameterized rule is specified according to a string of characters containing a place-holder for each parameter of said parameterized rule that is not statically defined, wherein the place-holder is relevant to the rule.

16. (previously presented): A device according to claim 15, said management module further comprising a second memory containing a second table, said second table containing

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secondary identifiers associated with at least one of said primary identifiers and one or more respective parameter values.

17. (previously presented): A method of processing network data, comprising:

storing as entries in a first table, primary identifiers, each with one or more associated parameterized rules;

receiving data comprising at least one parameter value; and

making a determination whether said parameter value can be associated with an existing one of the entries in said first table;

when the determination is affirmative, making a combination of said parameter value and said associated parameterized rules, and communicating said combination to a network data processing module so as to direct the management of network data by said network data processing module;

wherein each of said associated parameterized rules is specified according to a string of characters containing a place-holder for each parameter of said associated parameterized rule that is not statically defined, wherein the place-holder is relevant to the rule.

18. (previously presented): A method of processing network data, comprising:

storing as entries in a first table, first primary identifiers, each with one or more associated parameterized rules;

storing as entries in a second table, secondary identifiers, each with one or more

associated second primary identifiers and one or more associated parameter values;

receiving data comprising at least one new parameter value;

determining at least one associable second primary identifier which said new parameter

value can be associated with;

storing said new parameter value in association with said associable second primary

identifier;

determining current associated parameter values and corresponding parameterized rules

for each of said secondary identifiers;

making a combination of said current associated parameter values and said corresponding

parameterized rules for directing said network data processing module; and

communicating said combination to a network data processing module so as to direct the

management of network data by said network data processing module;

wherein each of said associated parameterized rules is specified according to a string of

characters containing a place-holder for each parameter of said associated parameterized rule that

is not statically defined, wherein the place-holder is relevant to the rule.

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19. (previously presented): The data processing device according to claim 1, wherein the primary metarule comprises one of definitions and prototypes of sets of the least one primary rule.